FERTILIZER STORAGE BUILDING 40′ Rigid frame

COOPERATIVE FARM BUILDING
Plan No. 6117
(2 SHEETS)
PLAN EXCHANGE

Liquid fertilizers have always been a topic of interest to farmers, if for no other reason than to avoid handling bags of dry fertilizer. Liquid fertilizer is an excellent starter solution that is easily applied and is more readily absorbed into the root system of plants.

Generally, liquid fertilizer is prepared in a small plant by combining dry potash with liquid nitrogen and phosphoric acid. This 40-foot rigid-frame structure is designed to store dry potash and to house the mixing equipment for the operation. Liquid nitrogen is piped from auxiliary storage tanks, which are located outside the structure.

This rigid-frame design using grade-trademarked plywood was developed by the American Plywood Association. Rigid-frame buildings have the advantage of clear span and unrestricted headroom from eave to ridge. Locate the building on high ground with the finished grade sloping away from the foundation, because water can damage the stored fertilizer.

Rigid frames are made onsite and are easily erected with farm equipment, as they tilt up on their own legs and do not require being lifted atop the side wall framing. Anchorage of rigid frames is extremely important, because the sill and frame must be held rigid on the foundation to maintain strength.

Working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6117, FERTILIZER STORAGE BUILDING, 40′ RIGID FRAME.

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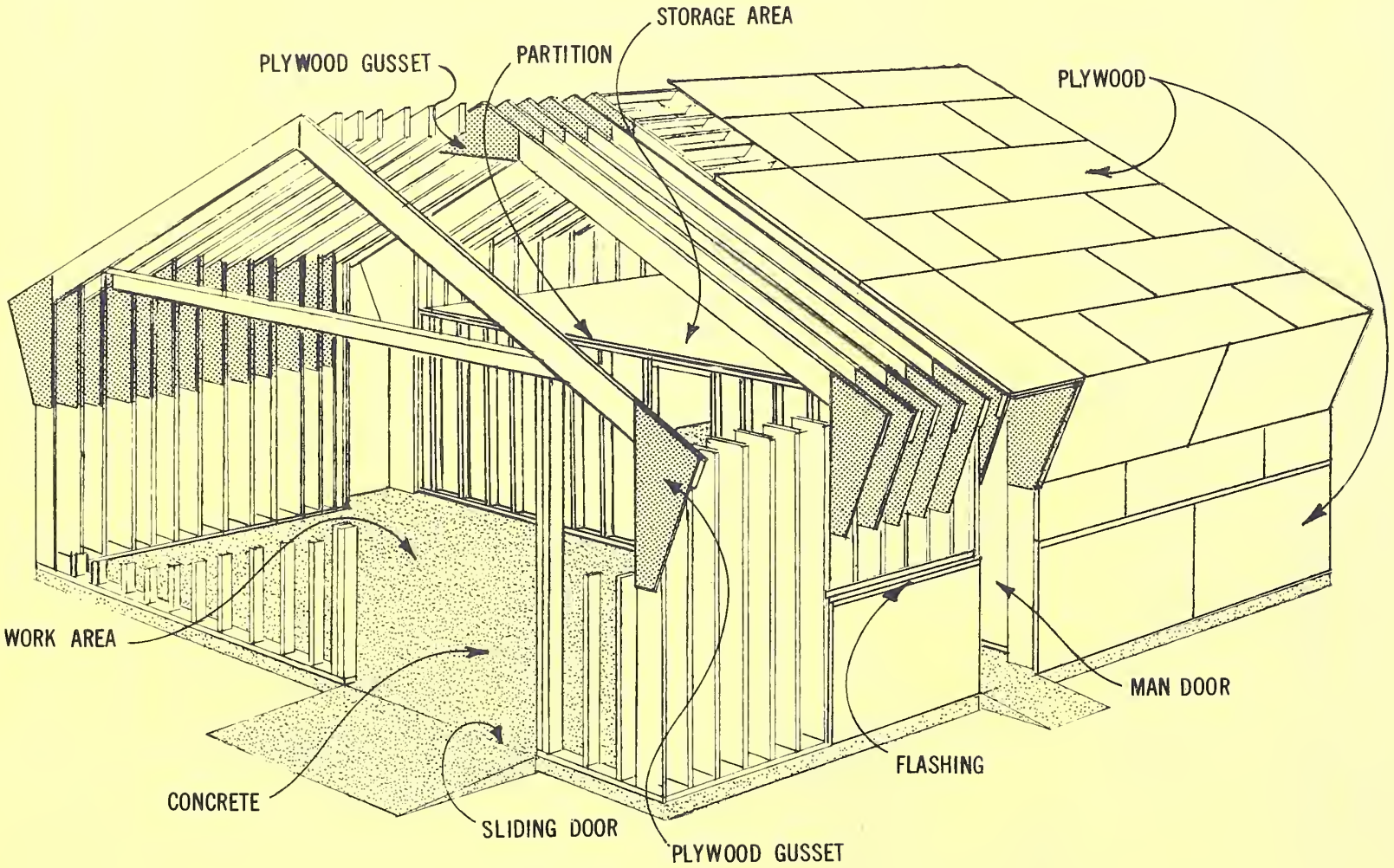
Framing detail....



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